

AibGenesis™ Mouse Anti-AKR7A2 Antibody (CBMOAB-35457FYA)

Cat. No.: CBMOAB-35457FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO35457FYA
Specificity	This antibody binds to Rhesus AKR7A2.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	The protein encoded by this gene belongs to the aldo/keto reductase (AKR) superfamily and AKR7 family, which are involved in the detoxification of aldehydes and ketones. The AKR7 family consists of 3 genes that are present in a cluster on the p arm of chromosome 1. This protein, thought to be localized in the golgi, catalyzes the NADPH-dependent reduction of succinic semialdehyde to the endogenous neuromodulator, gamma-hydroxybutyrate. It may also function as a detoxication enzyme in the reduction of aflatoxin B1 and 2-carboxybenzaldehyde. Alternative splicing results in multiple transcript variants. (From NCBI)
Product Overview	Mouse Anti-Rhesus AKR7A2 Antibody is a mouse antibody against AKR7A2. It can be used for AKR7A2 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 359 amino acids long.

The sequence is show below: MLSAASRVVSRAAVHCALSSPPPEARALAMSRPPPPRVATVLGTMEMGRRMDAPASAAAV RAFLERGHTELDTAFMYSDGQSETILGGLGLGLGGDCRVKIATKANPWDGKSLKPDLSRSQLETSLKRLQCPRVDLFYLAHPDHSTPVEETLRACHQLHQEGKFVGLSNYAWEVAE ICTLCKSNGWIVPTVYQGMYNATTRQVETELLPCRHFGLRFYAYNPLAGLLTGKYKYE DKDGKQPVGRFFGNSWAETYRNRFWKEHHFQAIALVEKALQAAYGTSVPSMTSAAALRWY HHSQQLQGAHGDTVILGMSLSLEQLEQNLAATEEGPLEPAVVDAFNQAWHLVAHECPNYFR.

Sub Cat	Clonal ity	Species	Reactivity	Applicat ion	Clone	Conjugate	Size
MO-AB-013	Monocl	Frog (<i>Xenopus laevis</i>)		WB, ELIS	MO013	Unconjugated; also available for Biotin; HR	100
37H	onal			A	37C	P; FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 333 amino acids long.

The sequence is show below: MSRSPTAPPPGPLLPRTVLGTMEFGRRMDARSSGEVVRDFLGRGHEELDTALMYAEGETERIIGGMQLGSQAKLETKANPWEGKTLKP ESVRQQLETSLQRLQTPSVHLFYLAHPDHQTPVEETLAACQQLHQEGKFELGLSNYAWEVMEIYCICKHRNWWLPTVYQGMYNATTRQ VETELLPCRQLGMRFYAYNPLAGLLTGRIKYEDKDKEQATCRFFGNSWAETYRNRYWKKHHFDAIDLQKSLQETYGSEKPSLTSAAAL RWMYHHSKLQGNLGDVILGMSMEQYLQNMAGLEGGPLLPPVAAFNEAWNVAHDCPNYFR.

MO-AB-071	Monocl	Cattle (<i>Bos taurus</i>)		WB, ELIS	MO071	Unconjugated; also available for Biotin; HR	100
98R	onal			A	98R	P; FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 369 amino acids long.

The sequence is show below: MLRTLTRAVGRAAAARCSRSPQQPGARTAAAANAMSRSPRAASGSPARPATVLGTMEMGRMRMDSPASAAAVRAFLERGHAEELDTAFMYSDG RSESILGGLGLGLGGSGCTAKIATKANPWEGKSLKPDLSRSQLETSLQRLQCPRVDLFYLAHPDHGTPVEETLRACHQLHQEGKFVGL SNYAWEVAEICTLCSRNGWILPTVYQGMYNATTRQVETELLPCRHFGLRFYAYNPLAGLLTGRIKYEDKDYGK.

MO-AB-202	Monocl	Chimpanzee (<i>Pan troglodytes</i>)		WB, ELIS	MO202	Unconjugated; also available for Biotin; HR	100
50W	onal			A	50W	P; FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 359 amino acids long.

The sequence is show below: MLSAASGVVSRAAVHCALRSPPEARALAMSRPPPPRVASVLGTMEMGRMRMDAPASAAAVRAFLERGHTELDTAFMYSDGQSETILGGLG LGLGGGDCRVKIATKANPWDGKSLKPDVRSQLETSLKRLQCPRVDLFYLAHPDHGTPVEETLHACHQLHQEGKFVELGLSNYASWEVAE ICTLCKSNGWILPTVYQGMYNATTRQVETELFPCRHFGLRFYAYNPLAGLLTGKYKYEDKDYGKQPVGRFFGNTWAEMYRNRYWKEHHF EGIALVEKALQAAYGASAPSMTSATLRWYHHSQQLQGAHGDAVILGMSLSLEQLEQNLAATEEGPLEPAVVDAFNQAWHLVAHECPNYFR.

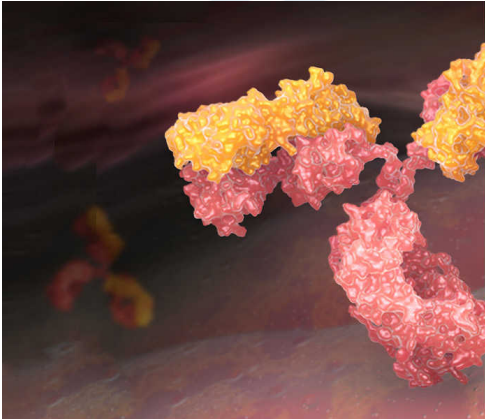
MO-AB-506	Monocl	Marmoset		WB, ELIS	MO506	Unconjugated; also available for Biotin; HR	100
72W	onal			A	72W	P; FITC and other labeled form.	µg

Sub Cat	Clona lity	Species Reactivity	Applicat ion	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 359 amino acids long.

The sequence is show below: MLSAASRAVPRAAVHCARRSPPPGSRLAMSRRASPPRVATVLGTMEMGRRMDPPASAAAVRAFLERGHAE^{LD}TAFMYSDGGQSETILGGLG LGLGGGDCRVKIATKANPWDGKSLKPD^{SV}RSQLEMSLKRLQCPRVDLFYLHAPDHGTPVEETLRACHQLHQEGKFVELGLSN^YAAWEVAE ICTL^{CR}SNGWILPTVYQGMYNAT^{TR}QVETELFPCLRHFG^{LR}FYAYNPLAGGLTGKYKYEDKDGKQPVGRFFGNSWAETYRN^{RF}WKEHHF KAIALVEKALQAEYGARAPSMTSAALQW^{MY}HHS^{QL}QGAHGDAVILGMS^SLEQLEQN^LAAAE^EGPLEPAVVDAFHQAWHLVAHECPNYFR.

MO-NAB-0	Monocl	Human (<i>Homo sapiens</i>), Zebrafish (<i>Danio rerio</i>)	WB, ICC, INW026	Unconjugated	100
0339W	onal		HC-P 7		µg
MO-NAB-0	Monocl	Human (<i>Homo sapiens</i>), Zebrafish (<i>Danio rerio</i>)	NW039	Unconjugated	100
0477W	onal		WB, IF 9		µg
MO-DKB-0	Polyclo	Human (<i>Homo sapiens</i>), Mouse (<i>Mus musculus</i>), Pig	WB	Unconjugated	100
1519W	nal				µg
		(<i>Sus scrofa</i>), Rhesus (<i>Macaca mulatta</i>)			



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.